Index of Claims

| Appli | cation | /Control | No. |
|-------|--------|----------|-----|
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10/709,527

Examiner

Raymond S. Dean

Applicant(s)/Patent under Reexamination

DERKS ET AL.

Art Unit

2618

| √ | Rejected |
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| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
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| 1 | Interference |

| A | Appeal   |
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| 0 | Objected |

|          |  | Ш        |                |                |          |          |              |   | ـــا                                | L               |  |
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|          |  | T        |                |                |          |          |              |   |                                     |                 |  |
| Cla      | aim                                    | Date     |                |                |          |          |              |   |                                     |                 |  |
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| Final    | Original                               | 707      |                |                | 1        |          |              |   |                                     |                 |  |
| i i i    | Ę.                                     | 0        |                |                |          |          |              |   |                                     |                 |  |
| L        |  | <u> </u> | _              |                |          |          |              |   |                                     |                 |  |
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|          | 3                                      | П        |                |                |          |          |              |   |                                     |                 |  |
|          | 1<br>2<br>3<br>4<br>5                  | П        |                |                |          |          |              |   |                                     |                 |  |
|          | 5                                      | П        |                |                |          |          |              |   |                                     |                 |  |
|          | 6                                      | П        |                |                |          |          |              |   |                                     |                 |  |
|          | 7                                      | П        | П              |                |          |          |              |   |                                     |                 |  |
|          | 8                                      | П        |                |                |          | П        |              |   |                                     |                 |  |
|          | 9                                      | П        |                |                |          |          |              |   |                                     |                 |  |
|          | 10                                     | П        |                |                |          |          |              |   |                                     | П               |  |
|          | 10<br>11<br>12                         | П        |                |                |          |          |              |   |                                     | П               |  |
|          | 12                                     | П        | Γ              | Г              |          |          |              |   |                                     | П               |  |
|          | 13                                     | π        | Г              | Г              | Г        | Г        |              | Г   |                                     | П               |  |
|          | 14                                     | 11       |                |                |          |          | <u> </u>     | <u> </u>                                  |                                     | П               |  |
|          | 15                                     | T        | <u> </u>       |                |          |          |              | Г   |                                     | П               |  |
|          | 13<br>14<br>15<br>16<br>17<br>18<br>19 | Ħ        | Т              | $\vdash$       | Г        | Г        |              | Г   |                                     | П               |  |
|          | 17                                     | Ħ        | Г              | Г              | Г        | Г        | Г            | Г   |                                     | П               |  |
|          | 18                                     | Ħ        | -              | _              | <u> </u> | <u> </u> |              | <u> </u>                                  |                                     | Н               |  |
|          | 19                                     | H        | $\vdash$       | ┢              | $\vdash$ |          | $\vdash$     |   |                                     | Н               |  |
|          | 20                                     | H        | -              |                | $\vdash$ |          | $\vdash$     | $\vdash$                                  |                                     | Н               |  |
|          | 21                                     | ╫        | $\vdash$       | $\vdash$       | $\vdash$ |          | $\vdash$     | $\vdash$                                  | _                                   | Н               |  |
|          | 21<br>22<br>23                         | ╫        | ┢              |                | ⊢        |          | -            | ┢   | _                                   | Н               |  |
|          | 23                                     | ╫╴       | ┝              | -              | ┢        |          | -            | -   | _                                   | $\vdash$        |  |
|          | 24                                     | ╁        | ⊢              | ┢─             | ┝        | -        | -            | -   | _                                   | Н               |  |
|          | 24<br>25                               | ╫        | ┢              | -              | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$                                  |                                     | $\vdash$        |  |
|          | 26                                     | H        | -              | -              | -        |          | ┢            | -   |                                     | Н               |  |
|          | 27                                     | ╫        | -              | -              | -        | -        |              |   |                                     | Н               |  |
|          | 27<br>28                               | ╂        | -              | -              | -        | -        | ├            | -   |                                     | Н               |  |
|          | 29                                     | H        | H              | ⊢              | -        |          | ┝            | _   | <u> </u>                            | Н               |  |
|          | 29                                     | H        | ⊢              | _              | ⊢        | H        | ⊢            |   |                                     | Н               |  |
|          | 30<br>31                               | 1        | -              |                |          | -        | -            |   | -                                   | $\vdash$        |  |
|          | 31                                     | $\vdash$ | ⊢              | _              | ⊢        | -        | ├-           |   | <u> </u>                            | Н               |  |
|          | 32                                     | ┝╌╂      | -              | -              | -        | <u> </u> |              |   | _                                   | <del>├</del> ─┤ |  |
|          | 33<br>34                               | ╁        | -              | -              | $\vdash$ | <u> </u> | $\vdash$     | $\vdash$                                  | $\vdash$                            | $\vdash$        |  |
|          | 34                                     | ╁        |                |                |          |          |              |   | ļ                                   | $\vdash$        |  |
|          | 35                                     | ⊢⊦       | ├-             | ├—             | $\vdash$ | ├-       | <del> </del> | $\vdash$                                  | <u> </u>                            | Н               |  |
|          | 36                                     | ₩        | <u> </u>       | ├              | <u> </u> | H        | <del> </del> | <u> </u>                                  | <u> </u>                            | Н               |  |
|          | 37                                     | ₩        | <del> </del> — | <u> </u>       | <u> </u> | <u> </u> | <del> </del> |   | <u> </u>                            | $\vdash \vdash$ |  |
| <u> </u> | 38                                     | ╁        | <del> </del> _ | <del> </del> — | ├—       | ├        | <u> </u>     | <u> </u>                                  | <u> </u>                            | Щ               |  |
|          | 39                                     | ⇊        | <u> </u>       | ļ              | ļ        | <u> </u> | <u> </u>     | <u> </u>                                  | <u> </u>                            | Ш               |  |
|          | 40                                     | ╁        | <u> </u>       |                | <u> </u> | ļ        | <u> </u>     | ļ   | <u> </u>                            | Н               |  |
| <u></u>  | 41                                     | ⇊        | <u> </u>       | <u> </u>       | <u> </u> | Ь_       | _            |   | _                                   | Ш               |  |
| ļ        | 42                                     | $\sqcup$ | <u> </u>       | <u> </u>       | <u> </u> | <u> </u> | <u> </u>     | <u> </u>                                  | <u> </u>                            | Н               |  |
| <b>└</b> | 43                                     | Н        | _              | <u> </u>       | <u> </u> | <u> </u> | <u> </u>     | <u> </u>                                  | <u> </u>                            | Щ               |  |
| <u></u>  | 44                                     | 1        | <u> </u>       | _              | <u> </u> |          |              | <u> </u>                                  | <u> </u>                            | Щ               |  |
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| L        | 46                                     | <u> </u> |                | <u> </u>       | ldash    |          | <u> </u>     | Щ   | _                                   | Ш               |  |
|          | 47                                     |          | <u> </u>       |                |          |          |              | _   | <u> </u>                            | Ш               |  |
|          | 48                                     | L        |                | _              |          |          |              | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ |                                     | Ш               |  |
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|          | 50                                     | <u> </u> | <u> </u>       |                | L        |          |              |   |                                     |                 |  |

|   | $\neg$   | ſ   | Claim |  | Date   |  |                                     |  |  |   |  |  |              |  |
|---|----------|-----|-------|--|--|--|-------------------------------------|--|--|---|--|--|--------------|--|
| Т   | ㅓ        | ŀ   |       |  |  |  |                                     | r  |  |   |  |  |              |  |
|   | J        |     | _     | Original   |  |  |                                     |  |  |   |  |  |              |  |
|   | J        | -   | Final | ğ  |  |  |                                     |  |  |   |  |  |              |  |
|   | J        | ١   | щ     | ō  |  |  |                                     |  |  |   |  |  |              |  |
| 4   | _        | ļ   |       |  | Щ  | <u> </u>   | Щ                                   | <u> </u>   | $\vdash$   | Щ   |  | <u> </u>   | <u> </u>     |  |
| $\perp$   | _        | ļ   |       | 51<br>52<br>53<br>54<br>55   |  | <u> </u>   | Щ.                                  | Щ  | $\sqsubseteq$                                    |   |  | L  |              |  |
|   | _        | Į   |       | 52   |  |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L  | _  |   |  | L  |              |  |
|   |          | - [ |       | 53   |  |  |                                     |  | L  |   |  | Ш  |              |  |
| $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |     |       | 54   |  |  |                                     |  |  |   |  |  |              |  |
|   |          |     |       | 55   |  |  |                                     |  |  |   |  |  |              |  |
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|   | ヿ        |     |       | 57   |  |  |                                     |  |  |   |  |  |              |  |
| $\top$  | ٦        |     |       | 58   |  | Г  |                                     | $\Box$   |  |   |  |  |              |  |
| $\top$  | ٦        | ľ   |       | 58<br>59   |  |  |                                     |  | T  |   |  |  |              |  |
| 丁   | $\dashv$ | ľ   |       | 60   | П  |  | $\Box$                              | Г  | Г  | $\Box$  |  |  |              |  |
|   | ٦        | ľ   |       | 61   |  |  |                                     |  | <u> </u>   |   |  |  |              |  |
| ┪   | ᅦ        | j   |       | 62   | _  |  | <b></b>                             |  | Г  |   |  |  | -            |  |
| $\dashv$  | $\dashv$ | ŀ   |       | 60<br>61<br>62<br>63   | $\vdash$   | _  |                                     | <del> </del>                                     | <del>                                     </del> |   | $\vdash$   | <u> </u>   | _            |  |
| $\dashv$  | $\dashv$ | ŀ   |       | 64   | <del>                                     </del> | $\vdash$   | $\vdash$                            | $\vdash$   | $\vdash$   |   | Н  | $\vdash$   | $\vdash$     |  |
| $\dashv$  | $\dashv$ | ŀ   |       | 65   | Н  | $\vdash$   | $\vdash$                            | $\vdash$   | $\vdash$   |   |  | <del> </del>                                     | $\vdash$     |  |
| +   | $\dashv$ | - } |       | 66   | -  | $\vdash$   | $\vdash$                            | <del>                                     </del> | -  |   |  | H  | $\vdash$     |  |
| +   | $\dashv$ | }   |       | 64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76 | $\vdash$   | <del> </del>                                     | $\vdash$                            | $\vdash$   | $\vdash$   | <del> </del>  | $\vdash$   | $\vdash$   | —            |  |
| +   | $\dashv$ | }   |       | 60   | H  | $\vdash$   | ├                                   | <u> </u>   |  |   | -  | <u> </u>   | <u> </u>     |  |
| +   | $\dashv$ | }   |       | 60   | Ι  | <del> </del>                                     |                                     |  | <del> </del>                                     | <u> </u>  | -  | -  | <u> </u>     |  |
| +   | -        | }   |       | 72   | _  | _  | $\vdash$                            | $\vdash$   | ⊢  |   | _  | $\vdash$   | _            |  |
| +   | ᅴ        | - } |       | 70   | ļ  |  | $\vdash$                            | <u> </u>   |  |   |  | <u> </u>   | _            |  |
| +   | 4        | 1   |       | /1   | ш  | <u> </u>   | $\vdash$                            | <u> </u>   | <u> </u>   | <u> </u>  | ⊨  | <u> </u>   | _            |  |
| $\dashv$  | 4        | 1   |       | /2   | Щ  | $\vdash$   | <u> </u>                            | <u> </u>   | <u> </u>   | ļ   | <u> </u>   | <u> </u>   | <u> </u>     |  |
| _   | _        | - 1 |       | 73   |  | <u> </u>   | <u> </u>                            | <u> </u>   | ļ  | L   |  | L  | L            |  |
| $\bot$  | _        | 1   |       | 74   | L_   | <u> </u>   | <u> </u>                            | <u> </u>   | L  | _   | <u> </u>   | <u>_</u>   | <u> </u>     |  |
| $\perp$   |          | 1   |       | 75   |  | Ĺ  | <u> </u>                            | ļ  |  |   | L  |  |              |  |
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|   |          | ł   |       | 77   |  |  |                                     | L  | L  | L   |  |  |              |  |
| $\prod$   |          |     |       | 78<br>79   |  |  | L                                   |  |  |   |  | L  |              |  |
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| $\neg$  | $\neg$   |     |       | 82   |  |  |                                     |  |  |   |  |  |              |  |
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| +   | 4        |     |       | 94   | Ŀ  | ├  |                                     | <u> </u>   | <u> </u>   | <u> </u>  | <u> </u>   | <u> </u>   | ļ            |  |
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|   |          |     |       | 98   |  | L  |                                     | _  | _  | L   |  |  | L            |  |
|   |          |     |       | 99   |  | $oxedsymbol{oxed}$                               |                                     |  |  |   |  |  | L            |  |
| $oxed{\int}$  |          | l   |       | 100  | L  |  |                                     |  |  | L   |  |  |              |  |
|   |          | ,   |       |  |  | •  | •                                   |  |  | •   |  |  | •            |  |

| Cla      | laim  |              |          |              |          | Date   |              |                |              |                 |
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|          |   |              |          |              |          |  |              |                |              | П               |
| <u>a</u> | na  |              |          |              |          |  |              |                |              |                 |
| Final    | Original                                      |              |          |              |          |  |              |                |              |                 |
| _        | Ō   |              |          |              |          |  |              |                |              |                 |
|          | 101   |              |          |              | _        | Н  |              | _              | _            | $\vdash$        |
|          | 102   | -            |          |              |          | Н  |              |                |              |                 |
|          | 102   | -            |          | $\vdash$     | _        | Н  |              | _              | _            | $\dashv$        |
|          | 103   | $\vdash$     | _        | Н            |          | $\vdash$   |              | _              |              | $\dashv$        |
|          | 101<br>102<br>103<br>104<br>105<br>106<br>107 |              | _        | Н            |          |  |              | _              |              | $\dashv$        |
|          | 106   | _            | -        | -            |          |  |              |                |              | $\dashv$        |
|          | 107   |              |          | -            |          |  |              |                |              |                 |
|          | 108   | -            |          |              | -        |  |              |                |              | $\vdash$        |
|          | 100   |              |          |              |          |  |              |                |              |                 |
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|          | 110   |              |          |              |          | -  | _            | _              | -            | Н               |
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|          | 120   |              | _        |              |          | -  |              | _              | -            | $\vdash$        |
|          | 120   |              | _        |              | _        | ⊢  | _            | _              | H            | Н               |
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|          | 120   | _            |          |              | _        | H  | _            |                |              | Н               |
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|          | 130   |              |          |              | _        | _  |              | _              | _            |                 |
|          | 131   |              | _        |              |          | -  |              | -              |              | <u> </u>        |
|          | 132   |              |          |              |          | _  | _            | _              | _            | Н               |
|          | 129<br>130<br>131<br>132<br>133<br>134<br>135 | <b></b> -    |          | -            | <u> </u> | $\vdash$   | $\vdash$     | <u> </u>       | <u> </u>     | Н               |
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|          | 130   | H            | $\vdash$ | -            | _        |  | $\vdash$     | <u> — </u>     | <u> — </u>   | $\vdash \vdash$ |
|          | 137<br>138                                    | $\vdash$     |          |              |          |  | <u> </u>     | <del> </del>   | <del> </del> | $\vdash \vdash$ |
|          | 138   |              |          | <del> </del> |          | <u> </u>   | <u> —</u>    | $\vdash$       | <u> </u>     | $\vdash \vdash$ |
|          | 140   | <u> </u>     | <u> </u> | $\vdash$     | _        |  | <u> </u>     | <u> </u>       | ļ            | $\vdash\vdash$  |
|          |   | H            | ļ        | <u> </u>     | _        | -  | <del> </del> | <u> </u>       | <del> </del> | ⊦⊣              |
|          | 141   | <u> </u>     | <u> </u> | -            |          | <del> </del>                                     | <del> </del> | <del>  -</del> | <del> </del> | $\vdash \vdash$ |
|          | 142   | <u> </u>     |          | <u> </u>     | _        | $\vdash$   | $\vdash$     | <del> </del>   | -            | Н               |
|          | 143<br>144                                    | H            | <u> </u> | $\vdash$     | <u> </u> | $\vdash$   | $\vdash$     | <u> </u>       | <u> </u>     | Н               |
|          |   | <del> </del> | ļ        | <b> </b>     | <b></b>  | <del>                                     </del> | <u> </u>     | ⊢              | <u> </u>     | Н               |
|          | 145   | <u> </u>     |          |              | ļ        | -  | <u> </u>     | <u> </u>       | ⊢            | Н               |
|          | 146   | ļ            |          | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>       | <u> </u>     | Н               |
|          | 147   | <u> </u>     | <b> </b> | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>     | ļ              | <u> </u>     | Щ               |
|          | 148   | <u> — </u>   | <u> </u> |              | <u> </u> | _  | <u> </u>     | $\vdash$       | <u> </u>     | $\sqcup$        |
|          | 149   | <u> </u>     | _        |              | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>       | <b> </b> —   | Ш               |
|          | 150   | ı            | I        | l l          | l        | l  | l            | ı              | l            | ı 1             |